

TSMC-03-179



January 22, 2004

To: Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

Fr: George O. Saile, Reg. No. 19,572
28 Davis Avenue
Poughkeepsie, N.Y. 12603

Subject: | Serial No. 10/718,191 11/20/03 |
Hsin-Hui Lee et al.
A NOVEL ENCAPSULATION METHOD
FOR SBGA
| _____ |

INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation
In An Application.

The following Patents and/or Publications are submitted to
comply with the duty of disclosure under CFR 1.97-1.99 and
37 CFR 1.56.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being
deposited with the United States Postal Service as first class
mail in an envelope addressed to: Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450, on January 27, 2004.

Stephen B. Ackerman, Reg.# 37761

Signature/Date

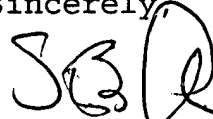
 1/27/04

U.S. Patent 6,537,482 to Farnworth, "Underfill and Encapsulation of Carrier Substrate-Mounted Flip-Chip Components Using Stereolithography," teaches encapsulating the die with a resin.

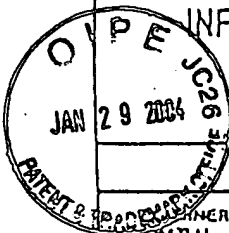
The following two U.S. Patents disclose conventional encapsulation methods:

- 1) U.S. Patent 6,127,724 to DiStefano, "Packaged Micro-electronic Elements with Enhanced Thermal Conduction."
- 2) U.S. Patent 6,020,218 to Shim et al., "Method of Manufacturing Ball Grid Array Semiconductor Package."

Sincerely,

A handwritten signature in black ink, appearing to read 'SBA', with a long horizontal flourish extending to the right.

Stephen B. Ackerman,
Reg. No. 37761



Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

| | |
|-------------------------------|--------------------|
| Document Number (Optional) | Application Number |
| TSmc-03-179 | 10/718,191 |
| Applicant Hsin-Hui Lee et al. | |
| Filing Date 11/20/03 | Group Art Unit |

U. S. PATENT DOCUMENTS

| OTHER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------|-----------------|---------|-------------|-------|----------|----------------------------|
| | 65374823 | 2/25/03 | Farnworth | 264 | 482 | 8/8/00 |
| | 6127724 | 10/3/00 | DiStefano | 257 | 675 | 10/31/97 |
| | 6020218 | 2/1/00 | Shim et al. | 438 | 111 | 1/26/98 |
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FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | YES | NO |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| EXAMINER | DATE CONSIDERED |
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



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A NOVEL ENCAPSULATION METHOD
FOR SBGA

ASSOCIATE POWER OF ATTORNEY

I hereby appoint Rosemary L.S. Pike, registration number 39,332, as my associate attorney in this case. Her telephone number is (765) 453-0866.

Please continue to direct all correspondence in this case to the undersigned attorney.

Respectfully submitted,

Stephen B. Ackerman,

Principal attorney of record